

Title (en)
ELECTRIC AUXILIARY HEATING DEVICE

Title (de)
ELEKTRISCHE HILFSHEIZVORRICHTUNG

Title (fr)
DISPOSITIF DE CHAUFFAGE ADDITIONNEL ELECTRIQUE

Publication
EP 3529093 A1 20190828 (FR)

Application
EP 17794385 A 20171017

Priority
• FR 1660263 A 20161021
• FR 2017052852 W 20171017

Abstract (en)
[origin: WO2018073530A1] The present invention relates to an electric auxiliary heating device (1) for heating a flow of air passing through in particular a conduit of a ventilation, heating and/or air conditioning installation of a motor vehicle, the auxiliary heating device comprising a casing that houses at least one heating module, said casing comprising: ° a heating compartment of which a first end (61) comprises an opening (600) and ° a connection interface (8) comprising: ■ a first plate (86) that is essentially planar and extends essentially parallel to the opening so as to cover said opening, and ■ a sheath (88) that extends in projection from the first plate (86) opposite the heating compartment, ■ slots (80) passing through the first plate (86) and opening inside the sheath (88), the connection interface (8) comprising, on its internal face (89) that is oriented toward the heating compartment, at least one insertion stub (85) of which at least one of the edges facing the slots (80) is chamfered.

IPC 8 full level
B60H 1/22 (2006.01); **F24H 3/04** (2006.01); **F24H 9/18** (2006.01)

CPC (source: EP KR US)
B60H 1/2225 (2013.01 - EP KR US); **F24H 3/0429** (2013.01 - EP US); **F24H 3/0435** (2013.01 - EP KR US); **F24H 3/0441** (2013.01 - EP US); **F24H 3/0447** (2013.01 - EP KR US); **F24H 3/0458** (2013.01 - EP KR US); **F24H 9/1872** (2013.01 - EP KR US); **F24H 2250/04** (2013.01 - EP KR US); **H05B 2203/02** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2018073530A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3057817 A1 20180427; **FR 3057817 B1 20191213**; CN 110087921 A 20190802; CN 110087921 B 20220719; EP 3529093 A1 20190828; EP 3529093 B1 20200527; JP 2019531972 A 20191107; JP 6843980 B2 20210317; KR 102257611 B1 20210527; KR 20190056403 A 20190524; US 11214123 B2 20220104; US 2019248210 A1 20190815; WO 2018073530 A1 20180426

DOCDB simple family (application)
FR 1660263 A 20161021; CN 201780065327 A 20171017; EP 17794385 A 20171017; FR 2017052852 W 20171017; JP 2019521157 A 20171017; KR 20197011120 A 20171017; US 201716343798 A 20171017